IN THE CLAIMS

Please amend the following claims. Please cancel claims 23 and 24 and add new claims 25-30.

- 1 12. (Amended) [A hat removal system in a portable computer for removing
- 2 heat from a heat generating device, said heat removal system] An apparatus
- 3 comprising:
- 4 a keyboard having a thermally conductive support plate, said support
- 5 plate having a substantially planar bottom surface;
- a flat heat pipe attached to said bottom surface of said keyboard support
- 7 plate, [said] <u>a</u> heat generating device thermally coupled to said flat heat pipe;
- 8 and
- 9 air moving means for producing an air flow through a housing, at least a
- 10 portion of said housing being thermally coupled to said flat heat pipe.
- 1 13. (Amended) The [heat removal system] apparatus of claim 12, wherein
- 2 said flat heat pipe comprises a plurality of micro-channels that are arranged
- 3 parallel to one another.
- 1 14. (Amended) The [heat removal system] apparatus of claim 12, wherein
- 2 said air moving means comprises a fan.

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- 15. (Amended) The [heat removal system] <u>apparatus</u> of claim 12, wherein said [air moving means] housing includes at least one fin disposed in the path of said air flow, said heat pipe thermally coupled to said fin.
- 1 16. (Twice Amended) The [heat removal system] apparatus of claim 14
- 2 further comprising a control circuit for switching said fan on or off in response to
- a temperature measurement on said keyboard.

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- 1 17. (Twice Amended) The [heat removal system] apparatus of claim 14
- 2 further comprising a control dircuit for switching said fan on or off in response to
- 3 a temperature measurement of said heat generating device.
- 1 18. (Twice Amended) The [heat-removal system] apparatus of claim 14
- 2 further comprising:
- a temperature sensing device attached to said keyboard; and
- 4 a controller for receiving a signal from said temperature sensing device,
- 5 said controller switching said fan on of off in response to said signal.
- 1 19. (Twice Amended) The [heat removal system] apparatus of claim 14
- 2 further comprising:
- 3 a temperature sensing device attached to said heat generating device; and

- a controller for receiving a signal from said temperature sensing device, 4 5 said controller switching said fan on or off in response to said signal. 1 20. (Twice Amended) [A heat removal system in a portable computer for 2 removing heat from a heat generating device, said heat removal system An apparatus comprising: a keyboard having althermally conductive support plate, said support plate having a substantially planar bottom surface; a flat heat pipe attached to said bottom surface of said keyboard support 6 7 plate, [said] a heat generating device thermally coupled to said flat heat pipe; 8 a fan for producing air flow through a fan housing; and a thermally conductive fin located within said air flow, said heat pipe 9 10 thermally coupled to said fin.
- 1 21. (Amended) The [heat removal system] <u>apparatus</u> of claim 20 further2 comprising:

a temperature sensing device attached to said keyboard; and a controller for receiving a signal from said temperature sensing device, said controller switching said fan on of off in response to said signal.

1 22. (Amended) The [heat removal system] <u>apparatus</u> of claim 20 further 2 comprising:

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a temperature sensing device attached to said heat generating device; and a controller for receiving a signal from said temperature sensing device, said controller switching said fan on or off in response to said signal.

- 1 25. (New) An apparatus comprising:
- 2 a keyboard having a thermally conductive support plate, said support
- 3 plate having a substantially planar bottom surface;
- a flat heat pipe attached to said bottom surface of said keyboard support
- 5 plate, a heat generating device thermally coupled to said flat heat pipe; and
- a fan for producing air flow through a fan housing, said fan housing
- 7 thermally coupled to said flat heat pipe.
- 1 26. (New) The apparatus of claim 25 wherein said flat heat pipe covers at
- 2 least about one-half of the surface area of said bottom surface of said keyboard
- 3 support plate.
- 1 27. (New) The apparatus of claim 25 wherein said flat heat pipe covers
- 2 substantially the entire surface area of said bottom surface of said keyboard
- 3 support plate.
 - 28. (New) The apparatus of claim 25 wherein said flat heat pipe has a first end and a second end, said heat generating device is thermally coupled to said